

# METALLURGY FOR NON-METALLURGISTS

## OVERVIEW

*This 1-day course is designed for engineers, geologists, project managers, technologists, suppliers to the resource industry, accountants, administration staff, mineral sector investors, marketers, financial advisors, and those either dealing with mineral processing (extractive metallurgy) or wanting a better understanding of the principles of extractive metallurgy. This course will help you in wrapping your head around the technical “Mumbo-Jambo” of mineral processing for personal or work benefits. Participants will obtain an understanding of the critical steps in typical flowsheets, including the economic and technical drivers that need to be considered in plant design and operation.*

## PROGRAM

- Introduction extractive metallurgy
- Terminologies used in mineral processing
- Principles and mineral processing methods
- Comminution & beneficiation
- Hydrometallurgy - leaching
- Hydrometallurgy - metal recovery systems
- Pumps, thickening and filtering
- Pyrometallurgy
- Metallurgical testwork
- Metallurgical accounting
- Process optimisation & flowsheets
- Common issues encountered in plant process
- Tailings management (disposal and water recovery)
- Review Case Studies

### Course Outcomes

*Participants will be introduced to the basic elements of the theory and practices of metallurgy to get an overview of metallurgical principles in the design and operation of a plant. Topics include the science of metallurgy from a non-metallurgist’s point of view, principles of mineralogy and chemistry, and processes to extract metal from various rocks and minerals.*

**\$1,499**

## DELIVERY MODE

- **Onsite | Remote | Hybrid**
  - **Duration: 4 x 2hr [8 Hrs]**
  - **(±) Extra workshops**
- Course will automatically go online in case of a lockdown.*

## NEXT DATES

- **Set - Oct 2021**
  - **Feb - Mar 2022**
  - **May - June 2022**
  - **Sep - Oct 2022**
- Other dates negotiable on case-by-case basis*

## CONTACT

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## DISCOUNTS & PAYMENTS

- *We offer a 5% discount if you register for two or more courses or register more than one person for a single course, OR a 10% discount for returning trainees/attendees. We also offer a 20% discount (applied to each attendee) for attendee groups equal OR greater than 5 in number.*
- *Payments: via the MOMO or Secure payment gateway which accepts Visa and Mastercard only. All prices are stated in US Dollars; however, Ghana Cedi Equivalent is acceptable for in Ghana (ONLY). Payment from all other jurisdictions should be made in US Dollars. Training held in some locations may incur additional charges in relation to travel expenses and Tax.*

## OUEST PROJECT MANAGEMENT SOLUTIONS

Mineral resource & exploration | Mining | Energy-Oil & Gas | Environmental & Geotechnical Services

5 Roman Ridge Road, Off Borstal Ave Ln, Accra, Ghana

[www.ouestpms.com/training](http://www.ouestpms.com/training)